

## **Appendix C**

### **Unit 4 Shutdown and Re-Start Data**

Unit 4 was shut down on midnight of August 11, and re-started at approximately 8 PM on August 16, 2001, for scheduled maintenance. Continuous, simultaneous noise measurements were conducted at three locations (Locations 10, 11 and 12) before, during and after the shutdown and restart. The locations were chosen so as to be able to compare, as best as possible, the noise effects near Unit 4 and further away from Unit 4 without tank shielding.

File Name.....BIN1  
Test Location.....ref 1 s of unit4  
Employee Name.....mg, rp  
Employee Number...  
Department.....  
Comment Field 1...s. of unit 4  
Comment Field 2...  
Numeric Code #1... #2... #3... #4... #5...

METROSONICS db-308 SN 2434 V2.3  
REPORT PRINTED 08/13/01 AT 14:07:32

EXCHANGE RATE..... 3dB FILTER.....A WGHT  
DOSE CRITERION.... 98dB RESPONSE...SLOW  
PRE-TEST CALIBRATION TIME.... 8/10/01 AT 11:09:10  
PRE-TEST CALIBRATION RANGE... 42.8dB TO 138.8dB  
Calibrator Type & Serial #.....

Calibrator Calibration Date.....

-- OVERALL STATISTICS REPORT --

TEST BEGAN.... 8/10/01 AT 12:00:19  
TEST LENGTH... 3 DAYS 1:55:13

Lav..... 77.4dB  
SEL.....131.4dB  
Lmax..... 94.6dB ON 8/13/01 AT 10:31:30  
Lpk.....124 dB ON 8/13/01 AT 10:31:30  
TIME OVER 140dB.. 0 DAYS 0:00:00.00

8 HR DOSE (57dB CUTOFF)..... 7.85%  
8 HR DOSE (57dB CUTOFF)..... 7.85%

-- TABULAR TIME HISTORY REPORT --

# OF PERIODS: 296 MODE: CONTINUOUS  
PERIOD LENGTH: 0:15:00  
TIME HISTORY CUTOFF: NONE  
Ln(1): 50.0% Ln(2): 90.0%

DATE: 8/10/01

INT	TIME	Lav	Lmx	L50	L90
8/10/01	12:00	77.9	83.7	77	77
	12:15	77.6	83.1	77	77
	12:30	77	85.3	76	76
	12:45	77.5	83.5	77	76
	13:00	78	86	77	76
	13:15	76.5	87.3	76	76

13:30	76.3	80.7	76	76
13:45	76.7	83.8	76	76
14:00	76.5	77.5	76	76
14:15	77.9	88	77	76
14:30	79.5	81.5	79	78
14:45	79.5	83.1	79	79
15:00	79.6	84.6	79	79
15:15	79.3	80.1	79	78
15:30	78.3	86.5	78	77
15:45	79.5	80.4	79	79
16:00	79.7	85.9	79	79
16:15	79.5	81	79	79
16:30	79.7	82.3	79	79
16:45	79.9	81.2	80	79
17:00	80.1	81.3	80	79
17:15	79.8	80.7	79	79
17:30	79.6	85.7	79	79
17:45	79.6	80.5	79	79
18:00	79.7	80.5	79	79
18:15	79.9	81.1	79	79
18:30	79.7	80.5	79	79
18:45	79.9	80.7	79	79
19:00	79.7	80.6	79	79
19:15	79.6	80.6	79	79
19:30	79.6	80.2	79	79
19:45	79.7	80.9	79	79
20:00	79.7	80.5	79	79
20:15	79.7	80.5	79	79
20:30	79.7	80.7	79	79
20:45	79.6	80.7	79	79
21:00	79.3	80.2	79	78
21:15	78.1	78.9	78	77
21:30	78.3	79.1	78	78
21:45	78.5	91.9	78	78
22:00	78.1	78.8	78	77
22:15	77.9	78.4	77	77
22:30	77.8	78.4	77	77
22:45	77.8	78.3	77	77
23:00	76.6	78.2	76	75
23:15	73.7	75.9	73	73
23:30	73.7	74.2	73	73
23:45	73.9	74.3	73	73
0:00	73.5	74.1	73	73
0:15	74.2	81.9	73	72
0:30	81.3	83.4	81	79
0:45	82.5	83.1	82	82
1:00	82.8	84.3	82	82
1:15	83.7	84.2	83	83
1:30	83.8	84.5	83	83
1:45	83.9	86.3	83	83
2:00	84	85	84	83
2:15	84.2	85.3	84	83

8/11/01

2:30	84.2	84.8	84	84
2:45	84.2	84.8	84	84
3:00	84.3	84.9	84	84
3:15	84.3	85	84	84
3:30	84.5	85.1	84	84
3:45	84.7	85.4	84	84
4:00	84.9	85.8	84	84
4:15	85	85.7	85	84
4:30	84.8	85.7	84	84
4:45	85	85.9	85	84
5:00	85	85.7	85	84
5:15	85	85.9	85	84
5:30	85	85.8	85	84
5:45	84.9	85.7	84	84
6:00	85.1	85.6	85	84
6:15	85.2	85.7	85	85
6:30	85.1	85.5	85	85
6:45	85.3	88.8	85	85
7:00	85.2	88.7	85	84
7:15	85	85.5	85	84
7:30	85	85.4	85	84
7:45	83.7	85.5	84	73
8:00	73.1	84.7	72	72
8:15	70.8	81.4	69	68
8:30	69.2	82.6	68	68
8:45	68.4	71.2	68	68
9:00	68.9	80.9	68	68
9:15	69.2	85.5	68	68
9:30	68.1	83.6	66	66
9:45	67.4	79.1	66	66
10:00	67.2	74.6	66	66
10:15	67.9	75.3	67	66
10:30	67.5	76.4	66	66
10:45	68.1	79	67	66
11:00	68.8	83.9	68	67
11:15	67.8	74.9	67	67
11:30	68.9	82.4	67	66
11:45	68.8	85.6	67	66
12:00	68	73.7	67	67
12:15	68.1	77.1	67	67
12:30	67.7	71.8	67	67
12:45	67.9	72.7	67	67
13:00	68.2	77.5	67	66
13:15	69.3	85.4	67	66
13:30	67.5	72	67	66
13:45	69.9	82.9	68	67
14:00	69	74.4	68	67
14:15	68.1	76.3	67	67
14:30	67.7	76.7	67	67
14:45	67.7	72.2	67	67
15:00	67.7	72	67	67
15:15	68.6	82.4	67	66

15:30	67.3	73	67	66
15:45	67.2	71.5	67	66
16:00	68.9	77.8	67	66
16:15	72.3	74	72	71
16:30	72.1	76.7	72	67
16:45	74.3	82.7	73	73
17:00	73.7	75	73	73
17:15	73.8	78.8	73	73
17:30	74.1	82.7	73	73
17:45	73.8	78.4	73	73
18:00	74	82.2	73	73
18:15	74.1	76.6	73	73
18:30	73.8	74.8	73	73
18:45	73.8	74.9	73	73
19:00	73.9	74.6	73	73
19:15	74	78.1	74	73
19:30	74	78.1	74	69
19:45	76.5	79.3	76	76
20:00	76.4	78.6	76	75
20:15	76.9	77.8	76	76
20:30	77	77.9	77	76
20:45	77	77.9	77	76
21:00	76.7	77.5	76	76
21:15	76.4	79.5	76	75
21:30	75.8	82.6	75	75
21:45	76.4	78.1	76	75
22:00	76.7	79.5	76	76
22:15	76.9	82.7	76	76
22:30	76.8	86.1	76	75
22:45	76.1	80.9	75	75
23:00	76.2	82.6	75	75
23:15	76.7	82.5	76	75
23:30	76.8	80.2	76	76
23:45	76.8	80.2	76	76
0:00	75.8	78.6	75	75
0:15	74.4	77.7	75	66
0:30	70.6	75.8	71	66
0:45	72.3	75.4	72	72
1:00	71.9	77.1	71	71
1:15	72.6	82.7	72	71
1:30	73.1	80.7	72	71
1:45	72.3	75.4	72	71
2:00	72.1	73.8	72	71
2:15	72.1	73.8	72	71
2:30	72.1	75	72	71
2:45	72.1	77.6	72	71
3:00	72.1	83.5	72	71
3:15	72.2	77.1	72	71
3:30	72.1	72.6	72	71
3:45	72.1	72.8	72	71
4:00	72.4	75.1	72	72
4:15	72.3	73.6	72	72

8/12/01

4:30	72.4	74.1	72	72
4:45	72.3	72.7	72	72
5:00	72.3	73.2	72	72
5:15	72.6	81.9	72	72
5:30	72.4	74.4	72	72
5:45	72.5	77	72	72
6:00	72	73.5	72	71
6:15	72	74	72	71
6:30	72	75.2	72	71
6:45	72.5	75	72	72
7:00	74	84.3	73	72
7:15	73.6	77.3	73	72
7:30	74.9	85.5	74	74
7:45	70.2	83.1	68	66
8:00	67.6	82.8	66	65
8:15	66.3	68.7	66	66
8:30	67.2	80.7	66	65
8:45	66.9	80.5	66	66
9:00	68	84.6	67	66
9:15	67.4	80.9	66	66
9:30	66.8	69.8	66	66
9:45	66.9	69.5	66	66
10:00	68	82.7	67	66
10:15	68.5	83.6	66	66
10:30	66.6	69.7	66	66
10:45	66.4	73.3	66	66
11:00	66.7	74.3	66	66
11:15	68.5	84.8	66	66
11:30	66.7	69.7	66	66
11:45	68.2	83.1	67	66
12:00	68.7	83.7	67	66
12:15	67.4	73	67	66
12:30	67.5	74.3	66	66
12:45	67.9	75.6	67	66
13:00	73.8	75.6	74	72
13:15	74.1	81.6	74	73
13:30	74.1	85.1	74	73
13:45	66.8	73.5	66	66
14:00	66.9	80.5	66	66
14:15	66.8	77	66	66
14:30	66.7	72.5	66	66
14:45	66.6	70.2	66	66
15:00	67.4	75.2	66	66
15:15	71.3	74.4	71	70
15:30	71.4	72	71	71
15:45	71.8	83.1	71	71
16:00	71.8	82.9	71	71
16:15	72.4	73.6	72	72
16:30	72.7	80.2	72	72
16:45	73.1	83.6	72	72
17:00	72.9	81.4	72	72
17:15	72.8	74.4	72	72

	17:30	72.8	77.1	72	72
	17:45	72.8	80.6	72	72
	18:00	72.6	77.2	72	72
	18:15	72.7	78	72	72
	18:30	72.7	76.6	72	72
	18:45	72.9	81.4	72	72
	19:00	69.1	75.2	68	68
	19:15	69.4	80.7	69	68
	19:30	70.7	74.1	70	70
	19:45	70.6	77.7	70	69
	20:00	70.8	78.6	70	70
	20:15	73.6	80.4	70	70
	20:30	72.8	78.5	71	70
	20:45	71.1	75	71	70
	21:00	70.7	80.5	70	70
	21:15	70.6	73.2	70	70
	21:30	70.9	76.3	70	70
	21:45	70.4	72.2	70	70
	22:00	70.2	74.7	70	68
	22:15	68.4	69.4	68	67
	22:30	68	69.8	68	67
	22:45	68.1	81.5	67	66
	23:00	67.4	72.1	67	67
	23:15	67.6	70.6	67	67
	23:30	67.6	77.8	67	67
	23:45	67.2	78	66	66
8/13/01	0:00	67.4	73.2	66	66
	0:15	67.8	71.6	66	66
	0:30	69	80.6	66	66
	0:45	67.6	71.7	66	66
	1:00	66.9	68.6	66	66
	1:15	66.8	70.5	66	66
	1:30	68	75.1	67	66
	1:45	70.4	72.1	70	69
	2:00	70.4	71.1	70	70
	2:15	69.9	72.3	69	69
	2:30	70.2	77	69	68
	2:45	69	75.6	68	68
	3:00	69.1	77.1	68	68
	3:15	73.5	84.5	69	68
	3:30	77	83.6	77	76
	3:45	77	79	77	76
	4:00	77	78	77	76
	4:15	77.1	77.6	77	76
	4:30	76.9	79.6	77	76
	4:45	71.9	77.6	66	66
	5:00	66.6	75.3	66	66
	5:15	66.6	76	66	66
	5:30	67	75.6	66	66
	5:45	67.2	76.8	66	66
	6:00	66.8	68.9	66	66
	6:15	67.9	86.9	66	66

6:30	67	71.4	66	66
6:45	67.2	73.7	66	66
7:00	71.8	84.1	70	67
7:15	73	84.1	70	67
7:30	77.7	87.4	77	67
7:45	77.1	87.3	75	67
8:00	73.6	81.9	72	67
8:15	74.9	83.4	73	67
8:30	73.4	79.3	73	68
8:45	71.9	80	70	67
9:00	72.8	82.6	71	67
9:15	73.3	87.4	71	68
9:30	72.3	87.2	71	68
9:45	71.4	81.1	70	67
10:00	76.7	84.1	74	68
10:15	73	83.6	71	68
10:30	76	94.6	74	71
10:45	73.6	84.7	70	69
11:00	68.4	72.1	68	67
11:15	68.3	79.3	67	67
11:30	68.1	74.3	67	67
11:45	68.3	72	68	67
12:00	74	85.6	68	68
12:15	80.8	91.1	79	74
12:30	77.5	86.3	76	72
12:45	78.3	86.5	73	70
13:00	79.8	86.6	79	72
13:15	75.6	87.7	72	70
13:30	79	87.6	77	71
13:45	76.4	85.1	74	71



File Name.....bin2  
Test Location.....ref 2 w of north tank  
Employee Name.....  
Employee Number...  
Department.....  
Comment Field 1...  
Comment Field 2...  
Numeric Code #1... #2... #3... #4... #5...

METROSONICS db-308 SN 3068 V3.0  
REPORT PRINTED 08/13/01 AT 14:22:51

EXCHANGE RATE..... 3dB FILTER.....A WGT  
DOSE CRITERION.... 90dB RESPONSE...SLOW  
PRE-TEST CALIBRATION TIME.... 7/24/01 AT 15:36:08  
PRE-TEST CALIBRATION RANGE... 43.1dB TO 143.1dB  
NO POST-TEST CALIBRATION  
Calibrator Type & Serial #...  
Calibrator Calibration Date..

-- OVERALL STATISTICS REPORT --

TEST BEGAN.... 8/10/01 AT 12:00:03  
TEST LENGTH... 3 DAYS 0:00:00  
TEST ENDED.... 8/13/01 AT 12:00:03  
TEST INTERRUPTIONS...1

Lav..... 53.0dB  
SEL.....107.0dB  
Lmax..... 83.9dB ON 8/11/01 AT 16:10:38  
Lpk.....127.9dB ON 8/10/01 AT 12:00:03  
TIME OVER 115dB.. 0 DAYS 0:00:00.00

8 HR DOSE (40dB CUTOFF)..... 0.17%  
8 HR DOSE (40dB CUTOFF)..... 0.17%

-- TABULAR TIME HISTORY REPORT --

# OF PERIODS: 288 MODE: CONTINUOUS  
PERIOD LENGTH: 0:15:00  
TIME HISTORY CUTOFF: NONE  
Ln(1): 50.0% Ln(2): 90.0%

DATE: 8/10/01

INT	TIME	Lav	Lmx	L50	L90
1	12:00:03	52.3	65.7	51	49
2	12:15:03	52.5	64.7	51	49
3	12:30:03	51.4	60.6	50	48

4	12:45:03	53	65.5	51	49
5	13:00:03	52.3	62.3	51	49
6	13:15:03	53.6	71.6	51	49
7	13:30:03	51.9	62.3	51	49
8	13:45:03	53	66.8	51	48
9	14:00:03	52.1	59.9	51	49
10	14:15:03	53.3	69.7	50	48
11	14:30:03	59	78.8	52	49
12	14:45:03	53.4	62.7	52	50
13	15:00:03	52.7	59.7	52	50
14	15:15:03	52.5	60.4	51	50
15	15:30:03	54.6	68.9	52	50
16	15:45:03	53.2	62.7	52	50
17	16:00:03	53.9	66.4	52	50
18	16:15:03	53.1	61.1	52	50
19	16:30:03	53.5	64.7	51	50
20	16:45:03	54.4	64.8	52	50
21	17:00:03	53.9	67.8	51	49
22	17:15:03	53.8	64.3	52	50
23	17:30:03	54.4	65.5	52	50
24	17:45:03	52.9	62.7	51	50
25	18:00:03	52.4	58.1	51	50
26	18:15:03	52.9	62.7	52	50
27	18:30:03	53.3	63.7	52	50
28	18:45:03	53.1	60.7	52	50
29	19:00:03	52.8	66.1	51	49
30	19:15:03	53.1	65.6	52	50
31	19:30:03	53	60.1	52	50
32	19:45:03	52.8	59.1	52	50
33	20:00:03	53.8	63.7	52	50
34	20:15:03	52.8	60.3	51	50
35	20:30:03	53.6	64.6	52	50
36	20:45:03	52.2	61.8	51	49
37	21:00:03	52.3	63.5	51	50
38	21:15:03	52.3	62.3	51	50
39	21:30:03	51.6	58.4	51	50
40	21:45:03	53	65.1	51	50
41	22:00:03	53.3	66.5	51	50
42	22:15:03	51.5	57.9	51	49
43	22:30:03	51.4	57.3	50	49
44	22:45:03	52.8	64.9	51	49
45	23:00:03	52.6	65.9	51	49
46	23:15:03	51.1	64.1	50	48
47	23:30:03	50.1	57.2	49	48
48	23:45:03	50.8	59.3	50	48
49	0:00:03	51.2	62.7	50	49
50	0:15:03	50.5	57.9	49	48
51	0:30:03	52.3	62.3	51	50
52	0:45:03	54.5	61.1	54	52
53	1:00:03	53.1	61.7	52	51
54	1:15:03	52.1	61.9	51	50
55	1:30:03	51.5	61.3	51	49

56	1:45:03	55.1	70	51	50
57	2:00:03	51.7	60.5	51	50
58	2:15:03	52.8	63.7	51	50
59	2:30:03	52.6	63.5	51	50
60	2:45:03	51.4	53.4	51	50
61	3:00:03	52.4	62.3	51	50
62	3:15:03	52.2	58.7	51	50
63	3:30:03	52.2	57.3	52	51
64	3:45:03	52.4	57.1	52	51
65	4:00:03	51.7	54.1	51	50
66	4:15:03	50.8	59.1	50	49
67	4:30:03	50.2	52.7	50	49
68	4:45:03	50.3	53.1	50	49
69	5:00:03	50.4	53.1	50	49
70	5:15:03	50.8	53.9	50	49
71	5:30:03	50.9	53.3	50	49
72	5:45:03	51.5	59.5	50	49
73	6:00:03	52.8	61.1	52	50
74	6:15:03	53.2	59.4	52	52
75	6:30:03	52.5	60.5	52	51
76	6:45:03	54.1	61.1	53	52
77	7:00:03	54.6	64.9	53	52
78	7:15:03	53.8	60.3	53	52
79	7:30:03	53.4	66.5	52	52
80	7:45:03	53.4	62.7	52	50
81	8:00:03	53	67.5	50	49
82	8:15:03	51.7	59.1	50	49
83	8:30:03	52.6	65.4	51	49
84	8:45:03	51.1	61.2	50	48
85	9:00:03	51.7	60.2	50	49
86	9:15:03	55.8	73.7	50	49
87	9:30:03	51.6	58.7	50	48
88	9:45:03	51.5	60.1	50	49
89	10:00:03	56	75.6	50	49
90	10:15:03	56.7	76.3	51	49
91	10:30:03	51.3	56.5	50	49
92	10:45:03	50.9	57.2	50	48
93	11:00:03	52.2	62.3	51	49
94	11:15:03	53	64.1	51	49
95	11:30:03	51.8	59.1	51	49
96	11:45:03	51.9	59.1	50	49
97	12:00:03	53.3	65.1	51	49
98	12:15:03	53.7	66.4	50	48
99	12:30:03	55	66.1	51	49
100	12:45:03	52.9	66.2	50	48
101	13:00:03	55.2	68.7	51	48
102	13:15:03	53.3	65	51	49
103	13:30:03	53.6	65.6	52	49
104	13:45:03	52.9	63.8	51	49
105	14:00:03	54.6	66.3	52	49
106	14:15:03	57	73.7	52	49
107	14:30:03	54.8	71.5	50	48

108	14:45:03	52.3	67.1	51	48
109	15:00:03	54.5	65.1	51	49
110	15:15:03	52.8	60.9	51	49
111	15:30:03	54.3	69.1	52	49
112	15:45:03	53	64.4	50	48
113	16:00:03	61.6	83.9	52	49
114	16:15:03	52.9	63.5	51	49
115	16:30:03	55	67.8	52	49
116	16:45:03	52.2	60.3	51	49
117	17:00:03	53.3	72.7	51	49
118	17:15:03	52.8	62.8	51	49
119	17:30:03	52.2	61.5	50	49
120	17:45:03	52.2	61.9	51	49
121	18:00:03	52.9	63.9	51	50
122	18:15:03	53.4	62.8	52	51
123	18:30:03	53.1	60.1	52	51
124	18:45:03	53.2	61.5	52	51
125	19:00:03	52.9	59.9	52	50
126	19:15:03	52.4	59.3	52	50
127	19:30:03	53.3	60.5	52	50
128	19:45:03	53.9	59.9	53	51
129	20:00:03	53.5	62.7	52	51
130	20:15:03	54.1	60	53	52
131	20:30:03	54.4	64.7	53	51
132	20:45:03	54.4	63.4	53	51
133	21:00:03	51.5	60.2	51	49
134	21:15:03	52.4	67.5	50	48
135	21:30:03	52.7	62.7	51	49
136	21:45:03	53.2	60.3	52	50
137	22:00:03	54	62.5	53	51
138	22:15:03	53.4	59.3	52	51
139	22:30:03	52.8	59.9	52	50
140	22:45:03	53.4	59.5	52	51
141	23:00:03	54	65.4	53	51
142	23:15:03	54.1	62.7	53	52
143	23:30:03	54.3	59.5	53	52
144	23:45:03	54.2	60.6	53	52
145	0:00:03	53.9	62.3	53	51
146	0:15:03	53.2	60.5	52	50
147	0:30:03	50.9	61.3	50	49
148	0:45:03	51.5	60.7	50	49
149	1:00:03	51.5	59.2	51	49
150	1:15:03	52	64.4	51	50
151	1:30:03	51.2	61.5	50	49
152	1:45:03	51.3	61.5	50	49
153	2:00:03	50.2	57.7	49	48
154	2:15:03	51.6	63.3	50	49
155	2:30:03	50.4	54.9	50	49
156	2:45:03	50.1	53.3	49	49
157	3:00:03	50.6	58.7	50	49
158	3:15:03	50.5	60.9	50	49
159	3:30:03	50.5	53.3	50	49

160	3:45:03	50.7	53.9	50	49
161	4:00:03	51.6	62.3	51	49
162	4:15:03	50.9	54.1	50	49
163	4:30:03	50.9	53.1	50	49
164	4:45:03	50.9	53.5	50	49
165	5:00:03	51	53.5	50	50
166	5:15:03	50.9	53.9	50	49
167	5:30:03	51.3	57.3	50	49
168	5:45:03	51.9	62.5	51	50
169	6:00:03	51	59.3	50	49
170	6:15:03	51	60.2	50	49
171	6:30:03	51.2	59.5	50	49
172	6:45:03	51.4	60.3	51	50
173	7:00:03	52	59.5	51	50
174	7:15:03	51.7	57.3	51	50
175	7:30:03	51.5	55.5	51	50
176	7:45:03	50.5	56.2	50	49
177	8:00:03	51.5	60.9	50	49
178	8:15:03	51.8	61.1	51	49
179	8:30:03	51.3	57.9	50	49
180	8:45:03	51.8	59.1	51	49
181	9:00:03	52.9	62.5	51	49
182	9:15:03	51.8	60.3	51	49
183	9:30:03	52.1	59.1	51	49
184	9:45:03	51.6	60.3	50	49
185	10:00:03	52.6	70.3	50	49
186	10:15:03	54.5	71.8	50	48
187	10:30:03	51.6	59.3	50	48
188	10:45:03	51	64.4	49	48
189	11:00:03	51.6	60.9	50	48
190	11:15:03	51.8	59.3	51	48
191	11:30:03	52	66.5	50	48
192	11:45:03	53.8	65.3	51	49
193	12:00:03	56	74.8	52	49
194	12:15:03	55.4	70.1	51	49
195	12:30:03	51	58.3	49	48
196	12:45:03	56.4	70	52	48
197	13:00:03	53.4	62.7	51	49
198	13:15:03	57.6	76.4	52	49
199	13:30:03	53.4	65.1	51	49
200	13:45:03	51.7	60.5	50	48
201	14:00:03	51.6	58.6	50	48
202	14:15:03	54.2	72.1	50	48
203	14:30:03	53.8	63	52	49
204	14:45:03	54.7	71.8	51	48
205	15:00:03	52.5	61.3	49	47
206	15:15:03	53.4	63.9	51	49
207	15:30:03	53.6	67	51	49
208	15:45:03	52.5	60.3	51	48
209	16:00:03	53	62.7	51	49
210	16:15:03	54.3	69.1	51	49
211	16:30:03	50.9	59.3	49	48

212	16:45:03	51.1	57.3	50	48
213	17:00:03	52.6	64.5	50	48
214	17:15:03	54	63.7	52	49
215	17:30:03	59.9	79.6	51	48
216	17:45:03	52.4	61.9	50	48
217	18:00:03	50.8	59.2	50	48
218	18:15:03	51.7	62.7	50	48
219	18:30:03	52.3	62.5	50	47
220	18:45:03	50.2	58.2	49	48
221	19:00:03	50.6	59.2	49	48
222	19:15:03	51.3	57.6	50	48
223	19:30:03	50.9	59.1	50	48
224	19:45:03	52.6	61.5	51	48
225	20:00:03	53.6	69.6	50	48
226	20:15:03	50.1	56.1	49	48
227	20:30:03	50.2	56.7	49	47
228	20:45:03	50.6	61.3	49	48
229	21:00:03	50.9	62.3	49	48
230	21:15:03	49.6	62.3	49	47
231	21:30:03	49.8	60.3	48	47
232	21:45:03	50.3	63.7	49	47
233	22:00:03	49.2	57.5	48	47
234	22:15:03	50	55.1	49	48
235	22:30:03	49.9	66.7	48	47
236	22:45:03	50.3	61.1	49	48
237	23:00:03	49.8	57.2	49	48
238	23:15:03	50.4	62.5	49	48
239	23:30:03	50	59.1	49	48
240	23:45:03	50.5	65.9	49	48
241	0:00:03	50.1	61.3	49	48
242	0:15:03	50	58.3	49	48
243	0:30:03	49.9	57.9	49	48
244	0:45:03	51.7	63	49	48
245	1:00:03	50.7	65.5	49	48
246	1:15:03	50.5	61.1	49	49
247	1:30:03	51.9	65.9	50	49
248	1:45:03	51.7	62.7	50	49
249	2:00:03	50.8	61.1	50	49
250	2:15:03	50.3	57.3	50	49
251	2:30:03	50.5	60.9	50	49
252	2:45:03	50.2	52.3	50	49
253	3:00:03	50.7	58.9	50	49
254	3:15:03	51.1	54.7	50	49
255	3:30:03	52	55.5	51	50
256	3:45:03	51.9	55.9	51	50
257	4:00:03	51.7	57.1	51	50
258	4:15:03	51.6	54.6	51	50
259	4:30:03	52	55.9	51	50
260	4:45:03	50.6	55.3	50	49
261	5:00:03	50.1	52.7	49	49
262	5:15:03	50.1	52.7	50	49
263	5:30:03	49.9	52.3	49	49

264	5:45:03	50.6	57.8	50	49
265	6:00:03	50.6	55.7	50	49
266	6:15:03	53	66.5	50	49
267	6:30:03	51.3	59.7	50	49
268	6:45:03	52	63.5	51	49
269	7:00:03	52.8	61.1	52	50
270	7:15:03	53.5	63.5	52	50
271	7:30:03	56.5	62.7	56	50
272	7:45:03	55.8	63.3	54	49
273	8:00:03	54	61.7	53	50
274	8:15:03	55.7	61.5	54	52
275	8:30:03	55.1	62.5	54	52
276	8:45:03	55.6	69.7	53	50
277	9:00:03	59.4	78.8	53	50
278	9:15:03	55.5	64.7	54	50
279	9:30:03	55.6	64.9	54	50
280	9:45:03	54.3	65.6	52	49
281	10:00:03	54.2	65.9	52	50
282	10:15:03	55.1	63.6	54	50
283	10:30:03	56	65.1	54	51
284	10:45:03	53.3	61.9	52	49
285	11:00:03	54.2	65.9	51	49
286	11:15:03	55.3	74.1	51	49
287	11:30:03	53.6	63	51	49
288	11:45:03	51.7	57.3	51	49

File Name.....bin3  
Test Location.....ref 3 S security tower  
Employee Name.....  
Employee Number...  
Department.....  
Comment Field 1...  
Comment Field 2...  
Numeric Code #1... #2... #3... #4... #5...

METROSONICS db-308 SN 2881 V2.3  
REPORT PRINTED 08/13/01 AT 14:53:23

EXCHANGE RATE..... 3dB FILTER.....A WGHT  
DOSE CRITERION.... 90dB RESPONSE...SLOW  
PRE-TEST CALIBRATION TIME.... 8/10/01 AT 11:28:58  
PRE-TEST CALIBRATION RANGE... 43.2dB TO 139.2dB  
Calibrator Type & Serial #.....

Calibrator Calibration Date.....

-- OVERALL STATISTICS REPORT --

TEST BEGAN.... 8/10/01 AT 12:00:19  
TEST LENGTH... 3 DAYS 2:50:19

Lav..... 65.0dB  
SEL.....119.1dB  
Lmax.....115.4dB ON 8/13/01 AT 14:47:03  
Lpk.....OVER ON 8/13/01 AT 14:44:55  
TIME OVER 115dB.. 0 DAYS 0:00:00.12

8 HR DOSE (42dB CUTOFF)..... 2.93%  
8 HR DOSE (42dB CUTOFF)..... 2.93%

-- TABULAR TIME HISTORY REPORT --

# OF PERIODS: 300 MODE: CONTINUOUS  
PERIOD LENGTH: 0:15:00  
TIME HISTORY CUTOFF: NONE  
Ln(1): 50.0% Ln(2): 90.0%

DATE: 8/10/01

INT	TIME	Lav	Lmx	L50	L90
1	12:00:19	60.1	76	58	55
2	12:15:19	59.1	67.9	58	55
3	12:30:19	60.5	80	58	55
4	12:45:19	59.4	67.6	58	56
5	13:00:19	59.3	77.9	57	55
6	13:15:19	59.5	69.2	58	56



7	13:30:19	59.5	70.5	58	56
8	13:45:19	59.1	66.4	57	55
9	14:00:19	59	69.1	58	55
10	14:15:19	65.3	89.6	58	55
11	14:30:19	76	98.5	58	56
12	14:45:19	60	73.4	59	56
13	15:00:19	59.6	72	58	56
14	15:15:19	59.3	69.7	58	56
15	15:30:19	61.1	73.9	59	57
16	15:45:19	62.7	80.6	59	57
17	16:00:19	60.3	69.3	59	57
18	16:15:19	59.7	67	59	56
19	16:30:19	60.1	71.8	58	57
20	16:45:19	61.9	83.4	59	57
21	17:00:19	61.2	74.9	59	56
22	17:15:19	60.1	71.1	58	56
23	17:30:19	60.5	74	58	56
24	17:45:19	60.1	70.2	58	57
25	18:00:19	59.3	66.6	58	56
26	18:15:19	59.7	69.3	59	56
27	18:30:19	59.4	69.2	58	57
28	18:45:19	60.3	71.4	59	57
29	19:00:19	59.8	72.8	58	56
30	19:15:19	58.9	67.8	58	56
31	19:30:19	58.2	65.4	57	56
32	19:45:19	58.8	71.4	57	56
33	20:00:19	59.1	69.2	58	56
34	20:15:19	58.5	69.6	57	56
35	20:30:19	58.3	66.2	57	55
36	20:45:19	58.1	69.8	57	55
37	21:00:19	57.7	70.2	57	55
38	21:15:19	57.7	71.4	56	55
39	21:30:19	57.4	74.5	56	55
40	21:45:19	57.5	68.1	57	55
41	22:00:19	59.7	80.5	56	55
42	22:15:19	60.8	82.8	56	55
43	22:30:19	59.9	77.4	56	54
44	22:45:19	61.3	86.2	56	54
45	23:00:19	57.6	67.2	56	55
46	23:15:19	56.8	65.4	56	54
47	23:30:19	56	63	55	54
48	23:45:19	56.7	64.1	56	54
49	0:00:19	56.9	65.8	56	54
50	0:15:19	56	62.9	55	54
51	0:30:19	57.3	67.3	56	55
52	0:45:19	57.5	64	57	55
53	1:00:19	57.7	66.8	56	55
54	1:15:19	57.1	67	56	54
55	1:30:19	56.5	66.3	56	54
56	1:45:19	58.1	66.7	56	54
57	2:00:19	56.6	64.7	56	54
58	2:15:19	57.1	69.1	56	54

59	2:30:19	56.8	67.1	55	54
60	2:45:19	55.5	58.8	55	54
61	3:00:19	56.1	63.7	55	54
62	3:15:19	56.1	63.1	55	54
63	3:30:19	56.2	64.5	55	54
64	3:45:19	56.3	59.7	56	54
65	4:00:19	55.5	58.2	55	54
66	4:15:19	55.3	61.6	55	53
67	4:30:19	55.2	58.9	55	53
68	4:45:19	55	58.7	54	53
69	5:00:19	55.1	60	54	53
70	5:15:19	55.4	62.1	55	54
71	5:30:19	55.4	59.1	55	54
72	5:45:19	56.7	66.2	56	54
73	6:00:19	57.2	63.4	56	55
74	6:15:19	57.7	66.8	56	55
75	6:30:19	57.5	62.9	56	55
76	6:45:19	58.7	70	57	56
77	7:00:19	58.4	67	57	56
78	7:15:19	57.9	64.6	57	55
79	7:30:19	58.2	70.3	56	54
80	7:45:19	58.5	66.4	57	55
81	8:00:19	58.5	70.3	57	55
82	8:15:19	59	70.9	57	55
83	8:30:19	59.7	69	58	56
84	8:45:19	58.6	68	57	55
85	9:00:19	59.9	75.2	57	55
86	9:15:19	60.3	77.3	57	54
87	9:30:19	58.2	69.3	56	54
88	9:45:19	59.4	74.3	57	55
89	10:00:19	59	69.5	57	56
90	10:15:19	59.7	69.5	58	56
91	10:30:19	58.9	70.1	58	56
92	10:45:19	59.2	70.6	58	56
93	11:00:19	59.1	67.5	58	56
94	11:15:19	59.8	67.5	58	56
95	11:30:19	59.5	72.4	58	56
96	11:45:19	59.7	72.6	58	56
97	12:00:19	59.2	65.1	58	56
98	12:15:19	60.9	78.6	58	56
99	12:30:19	60.9	78.6	58	56
100	12:45:19	59.2	73.7	57	56
101	13:00:19	61.5	75.6	59	57
102	13:15:19	60	69.7	59	55
103	13:30:19	60.1	69.9	59	56
104	13:45:19	60.9	77.1	59	56
105	14:00:19	62.5	78.6	59	57
106	14:15:19	61	73.7	59	57
107	14:30:19	59.6	70	57	55
108	14:45:19	58.5	70.2	57	55
109	15:00:19	60.4	73.4	59	56
110	15:15:19	59.6	72.6	58	55

111	15:30:19	60.2	75.5	58	55
112	15:45:19	58.7	69	57	54
113	16:00:19	62.3	81.4	58	56
114	16:15:19	58.8	69	57	55
115	16:30:19	60.5	70	58	56
116	16:45:19	59.2	70.9	57	55
117	17:00:19	58.2	67.8	57	55
118	17:15:19	58.6	68.2	57	55
119	17:30:19	58.2	68.1	57	55
120	17:45:19	57.9	65.9	57	55
121	18:00:19	59.2	68.8	58	56
122	18:15:19	59.8	71	58	56
123	18:30:19	59.1	73.3	58	56
124	18:45:19	59.5	73.2	58	57
125	19:00:19	58.6	67.4	58	56
126	19:15:19	58	63.2	57	56
127	19:30:19	58.4	71.4	57	56
128	19:45:19	58.1	66	57	56
129	20:00:19	58.1	64.1	57	56
130	20:15:19	58.2	70.3	57	55
131	20:30:19	57.6	67.5	56	55
132	20:45:19	58.1	65.9	57	56
133	21:00:19	56.4	64	55	54
134	21:15:19	57.5	70.1	56	54
135	21:30:19	57.9	68.7	56	54
136	21:45:19	56.6	65.2	56	54
137	22:00:19	57.1	66.4	56	55
138	22:15:19	56.9	66.1	56	54
139	22:30:19	56.5	64.9	55	54
140	22:45:19	56.3	63.9	55	54
141	23:00:19	56.5	63.8	55	54
142	23:15:19	56.7	64.6	56	54
143	23:30:19	56.8	67.9	56	55
144	23:45:19	57.2	68	56	55
145	0:00:19	57.1	63.3	56	55
146	0:15:19	56.5	64.1	56	54
147	0:30:19	58.6	76.9	56	54
148	0:45:19	56.9	64.2	56	54
149	1:00:19	57.3	67.1	56	55
150	1:15:19	57	65.8	56	55
151	1:30:19	56.8	65.5	56	54
152	1:45:19	58	74.7	56	54
153	2:00:19	55.9	64.7	55	54
154	2:15:19	57.2	70.2	55	54
155	2:30:19	55.6	64.2	55	54
156	2:45:19	55.5	63.9	55	54
157	3:00:19	56	62.5	55	54
158	3:15:19	55.8	68.2	55	54
159	3:30:19	55.4	58.5	55	54
160	3:45:19	55.4	59.5	55	54
161	4:00:19	56.4	67.4	55	54
162	4:15:19	55.7	61.4	55	54

163	4:30:19	55.3	58.8	55	54
164	4:45:19	55.2	58.4	55	53
165	5:00:19	55.5	65.6	55	54
166	5:15:19	54.9	60.2	54	53
167	5:30:19	55.8	62.5	55	54
168	5:45:19	56.5	64.1	55	53
169	6:00:19	57.5	66.6	56	54
170	6:15:19	56.6	69.9	55	53
171	6:30:19	56.3	64.8	55	54
172	6:45:19	56.3	63.5	55	54
173	7:00:19	56.5	61.8	56	54
174	7:15:19	56	65.1	55	53
175	7:30:19	57.2	68.1	56	54
176	7:45:19	56.7	63.2	56	54
177	8:00:19	58.2	70.9	56	55
178	8:15:19	57.3	63.8	56	55
179	8:30:19	57.2	65.1	56	54
180	8:45:19	58.2	67.5	57	55
181	9:00:19	59.8	72.9	57	56
182	9:15:19	58.6	65.9	57	55
183	9:30:19	58.8	73.1	57	55
184	9:45:19	58.6	69.5	57	55
185	10:00:19	58.8	69.8	57	55
186	10:15:19	59.3	71.9	57	55
187	10:30:19	57.7	64.6	56	54
188	10:45:19	58.7	72.6	56	54
189	11:00:19	58.8	71.3	57	55
190	11:15:19	58.6	64.8	58	55
191	11:30:19	61.1	80.9	58	56
192	11:45:19	61.8	81.6	58	56
193	12:00:19	60.1	76.1	58	55
194	12:15:19	61.3	81.7	58	56
195	12:30:19	59.4	71.2	58	56
196	12:45:19	61.8	77.8	59	56
197	13:00:19	59.4	73.4	58	56
198	13:15:19	59.7	67.9	58	56
199	13:30:19	59.9	71.6	58	56
200	13:45:19	59.7	71.2	58	56
201	14:00:19	59.1	65.8	58	56
202	14:15:19	59.3	72.7	58	56
203	14:30:19	62.5	82.3	58	56
204	14:45:19	59.6	69.8	58	56
205	15:00:19	60	69.3	58	56
206	15:15:19	61.8	83.1	58	56
207	15:30:19	59.6	70.3	58	56
208	15:45:19	59.4	73.8	57	55
209	16:00:19	59.1	69.8	57	55
210	16:15:19	62.7	81.8	58	55
211	16:30:19	58	69.1	57	54
212	16:45:19	58.5	71.3	57	54
213	17:00:19	58.3	70	56	54
214	17:15:19	59	67.1	57	55

215	17:30:19	60.2	73.1	57	55
216	17:45:19	58.1	70	57	54
217	18:00:19	58.5	69.3	56	54
218	18:15:19	58.6	72.1	56	54
219	18:30:19	66.3	87.2	57	54
220	18:45:19	56.9	68.7	56	53
221	19:00:19	57.1	66	56	54
222	19:15:19	57.1	64.5	56	54
223	19:30:19	61.7	88.1	56	54
224	19:45:19	57.4	66.5	56	54
225	20:00:19	58.6	76.1	56	54
226	20:15:19	55.8	64.7	55	53
227	20:30:19	55.1	63.1	54	53
228	20:45:19	56.1	63	55	53
229	21:00:19	56.2	68.1	55	54
230	21:15:19	61.8	84.5	55	53
231	21:30:19	55.8	63	55	53
232	21:45:19	56.3	66.5	55	54
233	22:00:19	55.9	65.3	55	53
234	22:15:19	55.9	63.3	55	54
235	22:30:19	55.5	61.1	54	53
236	22:45:19	55.7	65.2	55	53
237	23:00:19	55.7	64	55	54
238	23:15:19	56	67	55	54
239	23:30:19	55.6	61.3	55	54
240	23:45:19	56	65.2	55	54
241	0:00:19	56.1	62.7	55	54
242	0:15:19	55.7	64.5	55	54
243	0:30:19	55.6	61.1	55	53
244	0:45:19	56.8	66	55	54
245	1:00:19	56	60.9	55	54
246	1:15:19	56.3	62.9	55	54
247	1:30:19	56.9	66.3	56	54
248	1:45:19	57	69.7	56	54
249	2:00:19	56.2	62.8	55	54
250	2:15:19	55.8	59.9	55	54
251	2:30:19	56	62	55	54
252	2:45:19	55.3	57.8	55	54
253	3:00:19	56.1	66.2	55	54
254	3:15:19	55.3	61.8	55	53
255	3:30:19	54.9	59	54	53
256	3:45:19	55	58.4	54	53
257	4:00:19	54.6	57.3	54	53
258	4:15:19	54.8	57.4	54	53
259	4:30:19	55	58.1	54	53
260	4:45:19	55	57.7	54	53
261	5:00:19	55.5	63.3	55	54
262	5:15:19	55.5	59.6	55	54
263	5:30:19	56	69.6	55	54
264	5:45:19	56.5	63.4	55	54
265	6:00:19	57.4	69.3	56	54
266	6:15:19	57.3	69.3	56	55

267	6:30:19	58	64.4	57	55
268	6:45:19	59.6	70.2	58	56
269	7:00:19	59.5	73.1	58	56
270	7:15:19	59	65.1	58	56
271	7:30:19	59.1	69.7	58	56
272	7:45:19	59.2	65.9	58	56
273	8:00:19	60.4	72.8	59	56
274	8:15:19	60	72.5	59	56
275	8:30:19	59.4	66.4	58	56
276	8:45:19	60.8	72.8	58	56
277	9:00:19	60	73.9	57	56
278	9:15:19	60.9	74.2	58	56
279	9:30:19	63.4	74.7	61	60
280	9:45:19	61	72.2	60	56
281	10:00:19	57.6	66.7	56	55
282	10:15:19	58.6	66.4	57	55
283	10:30:19	59.2	71.3	57	56
284	10:45:19	59.8	74.7	57	56
285	11:00:19	58.9	66.2	58	55
286	11:15:19	60.7	73.9	58	56
287	11:30:19	60.4	69.6	59	56
288	11:45:19	60.3	74.8	59	56
289	12:00:19	59.8	69.3	59	57
290	12:15:19	60.1	70.2	59	57
291	12:30:19	59.6	69.1	58	56
292	12:45:19	60.1	71.3	59	57
293	13:00:19	59.7	65.8	59	56
294	13:15:19	62.2	79.8	59	56
295	13:30:19	60.5	70.9	59	56
296	13:45:19	61	79.3	59	57
297	14:00:19	59.6	65.3	58	57
298	14:15:19	59.8	69.7	58	57
299	14:30:19	75.9	104.5	60	58
300	14:45:19	92.5	115.4	70	48

File Name.....bin1  
Test Location.....Ref 1 NRG El Segundo  
Employee Name.....Rachel Pirie  
Employee Number...30520  
Department.....Noise and Vibration  
Comment Field 1...WCC-1 Serial # 2434  
Comment Field 2...Unit 4 run up  
Numeric Code #1... #2... #3... #4... #5...

METROSONICS db-308 SN 2434 V2.3  
REPORT PRINTED 08/21/01 AT 12:54:05

EXCHANGE RATE..... 3dB FILTER.....A WGHT  
DOSE CRITERION.... 90dB RESPONSE...SLOW  
PRE-TEST CALIBRATION TIME.... 1/01/85 AT 0:04:02  
PRE-TEST CALIBRATION RANGE... 42.8dB TO 138.8dB  
Calibrator Type & Serial #...\_\_\_\_\_

Calibrator Calibration Date..\_\_\_\_\_

-- OVERALL STATISTICS REPORT --

TEST BEGAN.... 8/16/01 AT 12:00:19  
TEST LENGTH... 3 DAYS 23:50:24

Lav..... 74.9dB  
SEL.....130.1dB  
Lmax..... 97.6dB ON 8/16/01 AT 12:07:50  
Lpk.....UNDER  
TIME OVER 115dB.. 0 DAYS 0:00:00.00

8 HR DOSE (80dB CUTOFF)..... 4.09%  
8 HR DOSE (90dB CUTOFF)..... 0.02%

-- TABULAR TIME HISTORY REPORT --

# OF PERIODS: 384 MODE: CONTINUOUS  
PERIOD LENGTH: 0:15:00  
TIME HISTORY CUTOFF: 80dB  
Ln(1): 50.0% Ln(2): 90.0%

DATE: 8/16/01

INT	TIME	Lav	Lmx	L50	L90
1	12:00	73.9	97.6	69	68
2	12:15	80.7	89.5	79	68
3	12:30	44.6	80.1	69	68
4	12:45	63.3	84.5	69	68
5	13:00	64.6	85.5	69	68
6	13:15	78.8	88.9	78	75

7	13:30	79.3	88.6	75	71
8	13:45	77.8	88.2	74	71
9	14:00	76.7	88.6	71	69
10	14:15	57.1	82.6	69	69
11	14:30	56.8	82	69	69
12	14:45	42.8	73.5	69	68
13	15:00	42.8	78	68	68
14	15:15	42.8	75.3	69	68
15	15:30	42.8	74.9	68	68
16	15:45	42.8	75.7	68	68
17	16:00	47.6	80.2	68	68
18	16:15	42.8	71.7	70	69
19	16:30	42.8	77.4	69	69
20	16:45	42.8	76.9	69	69
21	17:00	42.8	76.3	70	69
22	17:15	42.8	76.6	70	69
23	17:30	44.6	80.1	69	69
24	17:45	42.8	74.3	70	69
25	18:00	48.8	80.5	70	69
26	18:15	42.8	73.7	69	69
27	18:30	58	82.8	69	69
28	18:45	42.8	72.7	69	69
29	19:00	42.8	72	69	69
30	19:15	55.5	82.7	69	69
31	19:30	54.8	83	69	69
32	19:45	42.8	71.3	69	69
33	20:00	42.8	78.9	71	70
34	20:15	52.2	81.9	71	70
35	20:30	50.5	81.1	71	70
36	20:45	42.8	72.9	72	70
37	21:00	42.8	73.5	72	71
38	21:15	42.8	77	72	71
39	21:30	56.9	85.2	72	72
40	21:45	42.8	76	72	72
41	22:00	42.8	79.5	72	72
42	22:15	42.8	76.9	72	71
43	22:30	42.8	73.3	72	71
44	22:45	42.8	76.7	73	71
45	23:00	42.8	73.9	71	71
46	23:15	50.8	81.5	71	71
47	23:30	51.4	80.6	73	73
48	23:45	58.7	86.7	74	73
49	0:00:19	42.8	76.1	73	73
50	0:15:19	61.6	85.3	72	71
51	0:30:19	42.8	73.7	72	71
52	0:45:19	42.8	78	72	72
53	1:00:19	42.8	75.4	73	72
54	1:15:19	42.8	76.4	73	73
55	1:30:19	42.8	76.3	75	74
56	1:45:19	54.9	82.7	75	75
57	2:00:19	42.8	77.7	76	75
58	2:15:19	42.8	77.6	76	76



59	2:30:19	42.8	78.1	76	76
60	2:45:19	42.8	78.6	77	76
61	3:00:19	42.8	79.5	78	77
62	3:15:19	55.6	80.6	78	78
63	3:30:19	61.3	80.4	79	78
64	3:45:19	65.6	80.6	79	79
65	4:00:19	63.7	80.5	79	78
66	4:15:19	65.4	81.2	79	79
67	4:30:19	55	80.2	78	78
68	4:45:19	56.2	80.1	78	78
69	5:00:19	57.1	80.1	79	78
70	5:15:19	65.2	80.2	79	78
71	5:30:19	72.8	80.6	79	79
72	5:45:19	72.4	80.6	79	79
73	6:00:19	70.2	81.1	79	79
74	6:15:19	70.9	81.6	78	78
75	6:30:19	54.6	80.2	78	78
76	6:45:19	59	80.5	78	78
77	7:00:19	58	81.1	78	78
78	7:15:19	61.5	80.2	79	78
79	7:30:19	69.2	84.1	79	79
80	7:45:19	72.2	84.5	79	79
81	8:00:19	61.3	80.4	79	78
82	8:15:19	65.7	86.5	78	77
83	8:30:19	60.1	82.7	78	77
84	8:45:19	61.2	83.1	77	77
85	9:00:19	63.1	83.4	78	78
86	9:15:19	73.7	82	79	78
87	9:30:19	79.3	83.8	80	79
88	9:45:19	79.9	81.5	80	80
89	10:00	72.5	80.9	79	75
90	10:15	42.8	76.1	72	72
91	10:30	58.1	81.6	72	72
92	10:45	61.8	84	72	72
93	11:00	59	84.5	73	71
94	11:15	57.9	84.9	72	72
95	11:30	59.7	83	73	73
96	11:45	42.8	77.1	73	73
97	12:00	51.9	80.6	73	73
98	12:15	54.1	83.9	72	72
99	12:30	58.9	82.8	73	72
100	12:45	60.2	84.6	73	73
101	13:00	42.8	75.5	73	73
102	13:15	42.8	78.1	74	73
103	13:30	42.8	75.1	74	74
104	13:45	55.7	82.2	74	74
105	14:00	55.8	80.7	74	73
106	14:15	60.8	82.8	75	74
107	14:30	62.8	84.7	76	76
108	14:45	59.5	82.3	76	76
109	15:00	55.3	81.3	76	75
110	15:15	42.8	77.9	74	73

111	15:30	64.9	89.3	73	73
112	15:45	42.8	75.5	73	73
113	16:00	42.8	75.1	74	73
114	16:15	42.8	77.4	74	73
115	16:30	42.8	74.7	74	73
116	16:45	42.8	74.8	73	73
117	17:00	42.8	77.5	73	73
118	17:15	42.8	78.2	73	73
119	17:30	48	80.6	73	73
120	17:45	42.8	77.3	73	73
121	18:00	42.8	75.2	73	73
122	18:15	42.8	76	73	73
123	18:30	42.8	75.5	73	73
124	18:45	42.8	75.6	73	73
125	19:00	44.9	80.4	74	73
126	19:15	42.8	79.2	73	73
127	19:30	42.8	74.8	73	72
128	19:45	59.9	84.6	72	72
129	20:00	42.8	74.9	72	72
130	20:15	42.8	74.6	72	72
131	20:30	42.8	74.7	73	73
132	20:45	42.8	74.9	73	72
133	21:00	42.8	74.8	73	72
134	21:15	42.8	74.9	73	73
135	21:30	42.8	76.1	73	73
136	21:45	54.7	81.4	72	71
137	22:00	57.5	85.1	71	71
138	22:15	60.7	86.9	72	71
139	22:30	42.8	73.8	72	71
140	22:45	42.8	75.1	72	71
141	23:00	57.6	83.1	72	71
142	23:15	42.8	76	72	71
143	23:30	42.8	73.8	72	71
144	23:45	42.8	75.5	72	72
145	0:00:19	42.8	74.3	72	72
146	0:15:19	62.5	82.9	72	71
147	0:30:19	42.8	74.2	72	71
148	0:45:19	42.8	72.8	72	72
149	1:00:19	42.8	76	72	72
150	1:15:19	42.8	75.4	72	71
151	1:30:19	42.8	76.1	72	71
152	1:45:19	42.8	74.4	72	72
153	2:00:19	42.8	74.8	72	72
154	2:15:19	42.8	73.7	72	71
155	2:30:19	42.8	73.8	72	71
156	2:45:19	42.8	74.4	72	72
157	3:00:19	42.8	73.1	72	71
158	3:15:19	42.8	72.7	72	71
159	3:30:19	42.8	73.9	72	71
160	3:45:19	42.8	72.8	72	71
161	4:00:19	42.8	72.7	72	71
162	4:15:19	42.8	73	72	72

163	4:30:19	42.8	73.2	72	72
164	4:45:19	42.8	73.7	72	72
165	5:00:19	42.8	73.8	73	73
166	5:15:19	58.3	82.5	73	72
167	5:30:19	56	83.7	72	72
168	5:45:19	42.8	77.4	72	72
169	6:00:19	42.8	73.7	72	72
170	6:15:19	42.8	72.9	72	72
171	6:30:19	42.8	76	72	72
172	6:45:19	59.1	82.7	72	72
173	7:00:19	42.8	74.3	72	72
174	7:15:19	56.3	81.4	72	72
175	7:30:19	56.9	82.7	72	71
176	7:45:19	42.8	72.8	72	71
177	8:00:19	42.8	73.7	72	72
178	8:15:19	62.6	84.3	72	72
179	8:30:19	42.8	74.4	72	72
180	8:45:19	42.8	74.8	72	72
181	9:00:19	57.5	82.2	72	72
182	9:15:19	42.8	74.1	73	72
183	9:30:19	42.8	76.2	74	73
184	9:45:19	42.8	76.9	75	75
185	10:00	42.8	77	76	75
186	10:15	42.8	77.4	76	76
187	10:30	42.8	76.9	76	75
188	10:45	42.8	76.8	76	75
189	11:00	42.8	76.9	75	75
190	11:15	42.8	77	76	75
191	11:30	59.7	83.7	76	75
192	11:45	42.8	78.6	76	75
193	12:00	42.8	78.2	76	75
194	12:15	42.8	76.8	76	75
195	12:30	58.6	82.1	76	75
196	12:45	57.7	82.4	76	75
197	13:00	58	82.8	76	75
198	13:15	55.3	80.6	76	75
199	13:30	42.8	76.8	76	75
200	13:45	42.8	77.2	75	75
201	14:00	42.8	76.3	75	75
202	14:15	42.8	76.4	75	75
203	14:30	42.8	75.2	74	74
204	14:45	42.8	76	74	74
205	15:00	52.4	80.9	74	74
206	15:15	42.8	76.3	75	74
207	15:30	42.8	76.5	75	75
208	15:45	58.9	83.2	75	75
209	16:00	42.8	75.9	75	74
210	16:15	42.8	75.1	74	74
211	16:30	42.8	75.2	74	74
212	16:45	42.8	75.4	74	74
213	17:00	52.6	81.7	74	74
214	17:15	42.8	79.3	74	74

215	17:30	42.8	76.9	74	74
216	17:45	42.8	75.9	74	74
217	18:00	42.8	77.1	73	73
218	18:15	42.8	74.9	73	73
219	18:30	42.8	75.4	73	73
220	18:45	42.8	75.1	73	73
221	19:00	42.8	76.6	73	73
222	19:15	42.8	75.1	73	73
223	19:30	42.8	74.4	73	73
224	19:45	42.8	74.4	73	73
225	20:00	42.8	74.6	74	73
226	20:15	42.8	74.8	74	73
227	20:30	42.8	74.9	74	74
228	20:45	42.8	74.7	74	73
229	21:00	42.8	74.8	74	73
230	21:15	42.8	77.1	74	74
231	21:30	42.8	74.8	74	74
232	21:45	56.2	82.7	74	73
233	22:00	53.5	83.2	73	73
234	22:15	42.8	74	73	73
235	22:30	42.8	73.7	72	72
236	22:45	42.8	74.4	73	72
237	23:00	42.8	74.3	73	73
238	23:15	42.8	74.4	73	72
239	23:30	42.8	74.7	73	73
240	23:45	42.8	74.5	73	73
241	0:00:19	42.8	74.3	73	72
242	0:15:19	42.8	73.5	72	71
243	0:30:19	59.5	81.4	72	71
244	0:45:19	42.8	73.2	72	71
245	1:00:19	42.8	73.1	72	72
246	1:15:19	42.8	72.7	72	71
247	1:30:19	42.8	72.7	72	72
248	1:45:19	42.8	72.9	72	72
249	2:00:19	42.8	72.8	72	72
250	2:15:19	42.8	73.7	72	72
251	2:30:19	42.8	73	72	72
252	2:45:19	42.8	73.3	72	72
253	3:00:19	42.8	73	72	72
254	3:15:19	42.8	73.5	72	72
255	3:30:19	42.8	73	72	72
256	3:45:19	42.8	73.6	72	72
257	4:00:19	42.8	72.7	72	71
258	4:15:19	42.8	72.7	72	71
259	4:30:19	42.8	72.7	72	71
260	4:45:19	42.8	75.4	72	71
261	5:00:19	57.7	82.8	72	71
262	5:15:19	42.8	73	72	71
263	5:30:19	56.6	83.8	72	71
264	5:45:19	42.8	77.2	72	72
265	6:00:19	42.8	72.9	72	72
266	6:15:19	54.9	81.1	72	72

267	6:30:19	42.8	73.7	73	72
268	6:45:19	57.5	82.5	73	72
269	7:00:19	42.8	73.7	73	72
270	7:15:19	42.8	75.2	73	72
271	7:30:19	57.9	83.1	72	72
272	7:45:19	42.8	73	72	72
273	8:00:19	42.8	73.9	73	72
274	8:15:19	59.4	83.2	72	72
275	8:30:19	56.2	81.4	72	72
276	8:45:19	56.6	82	73	72
277	9:00:19	42.8	75.9	74	73
278	9:15:19	42.8	77.9	76	75
279	9:30:19	42.8	78	77	76
280	9:45:19	42.8	78.2	77	76
281	10:00	42.8	77.5	76	76
282	10:15	42.8	77.7	76	76
283	10:30	42.8	77.7	76	76
284	10:45	42.8	77.7	76	75
285	11:00	42.8	75.6	73	73
286	11:15	42.8	74.2	73	72
287	11:30	42.8	74.1	73	73
288	11:45	42.8	74.5	73	73
289	12:00	42.8	74.3	73	73
290	12:15	42.8	78.9	73	73
291	12:30	42.8	79	73	73
292	12:45	55	81.4	73	73
293	13:00	42.8	77.5	73	73
294	13:15	64	87.8	73	73
295	13:30	56.6	81.7	73	73
296	13:45	42.8	74.3	73	73
297	14:00	42.8	75.5	73	73
298	14:15	42.8	75.9	73	73
299	14:30	42.8	74.5	73	73
300	14:45	42.8	74.4	73	73
301	15:00	42.8	75.2	73	73
302	15:15	56.6	81.7	73	73
303	15:30	42.8	74.2	73	73
304	15:45	42.8	75.4	73	73
305	16:00	42.8	76.5	73	73
306	16:15	42.8	75.8	73	73
307	16:30	55.1	81.1	73	73
308	16:45	42.8	76.2	73	73
309	17:00	42.8	74.4	73	73
310	17:15	42.8	77.7	73	73
311	17:30	42.8	77.3	73	73
312	17:45	42.8	74.7	73	73
313	18:00	42.8	74.4	73	73
314	18:15	42.8	74.2	73	73
315	18:30	42.8	74.8	73	73
316	18:45	42.8	74.6	73	73
317	19:00	47.7	80.2	75	74
318	19:15	42.8	76.3	75	75

319	19:30	42.8	76.2	75	75
320	19:45	42.8	76.2	75	75
321	20:00	42.8	76.4	75	75
322	20:15	42.8	76.4	75	75
323	20:30	42.8	76.7	75	75
324	20:45	42.8	76.6	75	75
325	21:00	53	80.2	77	76
326	21:15	46.3	80	78	77
327	21:30	42.8	78.5	76	74
328	21:45	42.8	75.8	74	74
329	22:00	42.8	75.6	74	74
330	22:15	42.8	77.6	75	74
331	22:30	42.8	78.2	77	76
332	22:45	42.8	77.2	75	74
333	23:00	42.8	76.2	75	74
334	23:15	42.8	76	75	75
335	23:30	42.8	76.2	75	74
336	23:45	42.8	75	73	73
337	0:00:19	42.8	75.7	73	73
338	0:15:19	42.8	74	73	73
339	0:30:19	42.8	73.9	73	73
340	0:45:19	42.8	73.9	73	73
341	1:00:19	42.8	75.6	73	72
342	1:15:19	42.8	74.4	72	72
343	1:30:19	42.8	73.4	72	72
344	1:45:19	42.8	73.5	72	72
345	2:00:19	42.8	73.6	72	72
346	2:15:19	42.8	73.5	72	72
347	2:30:19	42.8	74.4	72	72
348	2:45:19	42.8	73.9	73	72
349	3:00:19	42.8	74.9	73	72
350	3:15:19	42.8	73.7	73	72
351	3:30:19	42.8	74.3	73	72
352	3:45:19	42.8	74.2	73	72
353	4:00:19	42.8	73.6	72	72
354	4:15:19	42.8	73.7	73	72
355	4:30:19	42.8	73.6	73	72
356	4:45:19	42.8	73.7	72	72
357	5:00:19	42.8	77.1	72	72
358	5:15:19	42.8	77.7	72	72
359	5:30:19	42.8	78.6	72	72
360	5:45:19	42.8	78.7	72	72
361	6:00:19	42.8	73.5	72	72
362	6:15:19	42.8	75.9	72	72
363	6:30:19	56.9	82.5	72	72
364	6:45:19	42.8	76.6	72	72
365	7:00:19	42.8	77.7	72	72
366	7:15:19	42.8	74	72	72
367	7:30:19	42.8	75.3	73	72
368	7:45:19	42.8	76.5	74	73
369	8:00:19	53.9	81.2	76	75
370	8:15:19	63.5	86.4	76	75

371	8:30:19	42.8	77.4	76	76
372	8:45:19	65.9	83.1	78	77
373	9:00:19	62.5	83	78	77
374	9:15:19	42.8	78.7	76	75
375	9:30:19	76.8	91.9	79	76
376	9:45:19	81.1	86.1	81	80
377	10:00	79.5	83	80	79
378	10:15	78.8	82.7	80	79
379	10:30	79.4	81.7	80	79
380	10:45	79.4	84.4	80	79
381	11:00	54.6	80.2	78	77
382	11:15	49.4	80.2	78	78
383	11:30	51.6	80.1	78	78
384	11:45	56	80.1	78	78

-- AMPLITUDE DISTRIBUTION REPORT --

TOTAL SAMPLES = 2760196

dB          SAMPLES % OF TOTAL

---

67	0:00 .	0
68	0:00 *	1.11
69	0:00 ****	4.19
70	0:00 **	1.8
71	0:00 ****	3.69
72	0:00 *****/	25.44
73	0:00 *****/	26.13
74	0:00 *****/	10.13
75	0:00 *****/	8.02
76	0:00 *****/	6.38
77	0:00 **	2.15
78	0:00 ****	3.91
79	0:00 ****	4.49
80	0:00 **	1.7
81	0:00 +	0.46
82	0:00 +	0.18
83	0:00 .	0.07
84	0:00 .	0.06
85	0:00 .	0.04
86	0:00 .	0.02
87	0:00 .	0.01
88	0:00 .	0
89	0:00 .	0
90	0:00 .	0
91	0:00 .	0
92	0:00 .	0
93	0:00 .	0
94	0:00 .	0
95	0:00 .	0
96	0:00 .	0

97      0:00 .      0

Ln( 0.0) = 97dB  
Ln(10.0) = 78dB  
Ln(50.0) = 73dB  
Ln(99.9) = 68dB

	NO	80.0dB	90.0dB
	CUTOFF	CUTOFF	CUTOFF

Leq	74.5dB	65.0dB	43.4dB
Ldod	74.2dB	59.7dB	42.8dB
Lsha	74.1dB	54.4dB	42.8dB
Leq(6)	74.0dB	49.0dB	42.8dB



File Name.....bin2  
Test Location.....Ref 2 NRG El Segundo  
Employee Name.....Rachel Pirie  
Employee Number...30520  
Department.....Noise and Vibration  
Comment Field 1...WCC-3 Serial # 3068  
Comment Field 2...Unit 4 run up  
Numeric Code #1... #2... #3... #4... #5...

METROSONICS db-308 SN 3068 V3.0  
REPORT PRINTED 08/21/01 AT 12:58:44

EXCHANGE RATE..... 3dB FILTER.....A WGHT  
DOSE CRITERION.... 90dB RESPONSE...SLOW  
PRE-TEST CALIBRATION TIME.... 8/15/01 AT 14:44:43  
PRE-TEST CALIBRATION RANGE... 43.0dB TO 143.0d  
NO POST-TEST CALIBRATION  
Calibrator Type & Serial #...\_\_\_\_\_

Calibrator Calibration Date..\_\_\_\_\_

-- OVERALL STATISTICS REPORT --

TEST BEGAN.... 8/16/01 AT 12:00:03  
TEST LENGTH... 3 DAYS 0:00:00  
TEST ENDED.... 8/19/01 AT 12:00:03  
TEST INTERRUPTIONS...1

Lav..... 53.4dB  
SEL.....107.3dB  
Lmax..... 76.6dB ON 8/17/01 AT 14:34:49  
Lpk.....128.0dB ON 8/16/01 AT 12:00:03  
TIME OVER 115dB.. 0 DAYS 0:00:00.00

8 HR DOSE (40dB CUTOFF)..... 0.19%  
8 HR DOSE (40dB CUTOFF)..... 0.19%

-- TABULAR TIME HISTORY REPORT --

# OF PERIODS: 288 MODE: CONTINUOUS  
PERIOD LENGTH: 0:15:00  
TIME HISTORY CUTOFF: NONE  
Ln(1): 50.0% Ln(2): 90.0%

DATE: 8/16/01

INT	TIME	Lav	Lmx	L1
1	12:00:03	51.7	64	50
2	12:15:03	52.9	61.3	52
3	12:30:03	51.6	69.5	50

4	12:45:03	51.4	69.6	49
5	13:00:03	50.7	55.5	50
6	13:15:03	51.8	62.4	50
7	13:30:03	51.1	55.4	50
8	13:45:03	52.3	62.8	51
9	14:00:03	51.5	61	50
10	14:15:03	53.7	74.4	50
11	14:30:03	52.6	68.2	50
12	14:45:03	51.8	63.6	50
13	15:00:03	55.6	73.9	51
14	15:15:03	52.7	67	51
15	15:30:03	51.8	64.8	50
16	15:45:03	52.7	66.6	51
17	16:00:03	52.6	71	51
18	16:15:03	53.1	67	51
19	16:30:03	54	65.8	51
20	16:45:03	56	74.9	50
21	17:00:03	51.4	57.6	50
22	17:15:03	52.2	57.3	51
23	17:30:03	52.2	59.4	51
24	17:45:03	51.4	57.3	50
25	18:00:03	52.2	64.7	51
26	18:15:03	52.6	59.4	51
27	18:30:03	50.7	53.8	50
28	18:45:03	51.8	62.8	50
29	19:00:03	52.2	67.4	50
30	19:15:03	51.3	56.4	51
31	19:30:03	51.5	57	51
32	19:45:03	51.4	56.4	51
33	20:00:03	51.8	64.5	50
34	20:15:03	51	61.4	50
35	20:30:03	51.5	58	51
36	20:45:03	52.5	59.8	51
37	21:00:03	53.3	66.5	52
38	21:15:03	51.3	56.3	51
39	21:30:03	52.2	61.6	51
40	21:45:03	52.4	62.6	51
41	22:00:03	51.7	60	51
42	22:15:03	51.1	59.6	50
43	22:30:03	51.6	59.2	51
44	22:45:03	52.8	64.1	51
45	23:00:03	54.4	69	50
46	23:15:03	52.4	64.2	51
47	23:30:03	50.6	59	49
48	23:45:03	53.3	66.4	50
49	0:00:03	53.7	69.6	50
50	0:15:03	51.8	62.4	49
51	0:30:03	53	69.8	49
52	0:45:03	54.2	66.3	49
53	1:00:03	52.9	69	49
54	1:15:03	50.5	64.2	49
55	1:30:03	51.6	62.6	49

56	1:45:03	51.7	64.8	49
57	2:00:03	51.7	67.8	49
58	2:15:03	50.3	58.6	49
59	2:30:03	51	62.4	49
60	2:45:03	52	59	50
61	3:00:03	55.7	62.4	55
62	3:15:03	61.7	69.6	61
63	3:30:03	63.8	69.8	63
64	3:45:03	64.5	69.4	64
65	4:00:03	63.8	68.3	63
66	4:15:03	65.2	71.5	64
67	4:30:03	60	69.3	57
68	4:45:03	56.9	61.4	56
69	5:00:03	61.5	65.6	61
70	5:15:03	61.4	66.7	60
71	5:30:03	61.3	69.9	61
72	5:45:03	61.4	69.2	60
73	6:00:03	61.9	67	61
74	6:15:03	59.9	65.6	59
75	6:30:03	52.9	61.6	52
76	6:45:03	52.9	63.4	51
77	7:00:03	53.4	61	52
78	7:15:03	53.8	59.8	53
79	7:30:03	57.3	72.2	55
80	7:45:03	55.4	61	55
81	8:00:03	55.4	65.5	54
82	8:15:03	54.6	62.4	54
83	8:30:03	54.6	66.6	53
84	8:45:03	51.9	59.6	51
85	9:00:03	53.9	60.8	53
86	9:15:03	54.1	73.9	50
87	9:30:03	52.9	61	51
88	9:45:03	53.8	70	51
89	10:00:03	51.5	59.4	50
90	10:15:03	52	64	50
91	10:30:03	53.1	64.6	52
92	10:45:03	53.9	68.2	51
93	11:00:03	52.3	62.2	51
94	11:15:03	52	60.2	51
95	11:30:03	52.5	59	51
96	11:45:03	52.1	62.6	50
97	12:00:03	51.7	58.1	50
98	12:15:03	54	70.6	50
99	12:30:03	52.4	66.2	50
100	12:45:03	52.4	61	51
101	13:00:03	53.9	67	51
102	13:15:03	52.3	63.2	51
103	13:30:03	52.3	64	51
104	13:45:03	51.8	63.7	50
105	14:00:03	52.2	58	51
106	14:15:03	50.9	56.2	50
107	14:30:03	59	76.6	51

108	14:45:03	52.3	62.4	50
109	15:00:03	52.3	62.4	51
110	15:15:03	53	60.4	51
111	15:30:03	53.2	66.3	51
112	15:45:03	52.5	61.8	51
113	16:00:03	52.5	64.7	51
114	16:15:03	52.8	64.2	50
115	16:30:03	52.8	63.4	50
116	16:45:03	52	62.6	50
117	17:00:03	54.8	72	51
118	17:15:03	52.4	66.8	50
119	17:30:03	54.5	67.8	52
120	17:45:03	52.4	63.8	50
121	18:00:03	53.2	72.9	51
122	18:15:03	55.9	74.6	50
123	18:30:03	51.7	59.4	50
124	18:45:03	52.1	62.2	50
125	19:00:03	51.2	58.6	50
126	19:15:03	53.2	64.6	51
127	19:30:03	51.5	62.8	50
128	19:45:03	52	59.2	51
129	20:00:03	52.3	60.2	51
130	20:15:03	50.3	57	49
131	20:30:03	50.8	56.6	50
132	20:45:03	51.4	61	50
133	21:00:03	51.6	63	50
134	21:15:03	51.2	64	50
135	21:30:03	50.6	59.2	49
136	21:45:03	50.6	63.6	48
137	22:00:03	48.8	53.3	48
138	22:15:03	49.7	56.4	49
139	22:30:03	51.4	64.2	49
140	22:45:03	50.9	61.1	49
141	23:00:03	51.8	61.2	50
142	23:15:03	51.9	63.4	49
143	23:30:03	49.9	57.4	49
144	23:45:03	51	62.2	49
145	0:00:03	51.6	61.8	49
146	0:15:03	50.4	61.2	49
147	0:30:03	50.7	59	49
148	0:45:03	49.8	58.6	49
149	1:00:03	52	62.8	49
150	1:15:03	51.9	66.8	49
151	1:30:03	49.9	62.6	48
152	1:45:03	51.4	64	49
153	2:00:03	50.1	59	48
154	2:15:03	48.8	59	48
155	2:30:03	50.3	65.4	48
156	2:45:03	51.2	62.6	48
157	3:00:03	47.7	55.9	47
158	3:15:03	49.2	61.6	47
159	3:30:03	47.8	57.6	47

160	3:45:03	47.3	49.8	47
161	4:00:03	47.6	49.6	47
162	4:15:03	48.5	51.4	48
163	4:30:03	48.7	52	48
164	4:45:03	49.3	53.8	49
165	5:00:03	49	50.8	49
166	5:15:03	49.7	55.8	49
167	5:30:03	49.3	54	49
168	5:45:03	49.7	57.6	49
169	6:00:03	49.8	53.4	49
170	6:15:03	50.7	60.8	49
171	6:30:03	51.1	59.2	50
172	6:45:03	54.4	72.8	50
173	7:00:03	51.6	63.6	50
174	7:15:03	50.4	56.6	49
175	7:30:03	50.4	57.2	49
176	7:45:03	50.8	59	49
177	8:00:03	51.3	63.4	50
178	8:15:03	50.9	59.1	50
179	8:30:03	51.5	63	50
180	8:45:03	50.1	62.7	49
181	9:00:03	50.6	61.7	49
182	9:15:03	51.8	63.8	50
183	9:30:03	51.2	60.2	50
184	9:45:03	51.1	59	50
185	10:00:03	51.6	62.5	50
186	10:15:03	52.5	69.3	50
187	10:30:03	51.7	60.2	50
188	10:45:03	51	58.9	50
189	11:00:03	51.3	62.3	50
190	11:15:03	51	63.3	50
191	11:30:03	51.9	59	50
192	11:45:03	50.1	55.6	49
193	12:00:03	51	58	50
194	12:15:03	50.6	59.2	50
195	12:30:03	51.2	62.2	49
196	12:45:03	51.7	60.5	50
197	13:00:03	53	65.1	50
198	13:15:03	56.1	73.4	50
199	13:30:03	51.2	61.2	50
200	13:45:03	51.9	62.2	50
201	14:00:03	54.3	67.6	50
202	14:15:03	52.8	67.6	50
203	14:30:03	52.3	64.4	50
204	14:45:03	50.7	57.8	50
205	15:00:03	51.4	59.4	50
206	15:15:03	53.1	64	51
207	15:30:03	51.4	59.2	50
208	15:45:03	52.1	66.2	50
209	16:00:03	50.7	58	50
210	16:15:03	51.6	61.2	50
211	16:30:03	50.6	55.4	50

212	16:45:03	50.3	56.2	49
213	17:00:03	51.1	61.4	50
214	17:15:03	50	53.4	49
215	17:30:03	50.5	57.2	49
216	17:45:03	50.9	58.6	50
217	18:00:03	50	57.6	49
218	18:15:03	49.7	53.8	49
219	18:30:03	49.3	52.6	49
220	18:45:03	48.8	52.8	48
221	19:00:03	49.5	57	49
222	19:15:03	49.8	59	48
223	19:30:03	49.7	60.8	48
224	19:45:03	50.1	59.7	49
225	20:00:03	48.7	54.4	48
226	20:15:03	50	61.6	48
227	20:30:03	49.6	58	48
228	20:45:03	49.6	54.8	49
229	21:00:03	49.5	54	49
230	21:15:03	49.1	58.6	48
231	21:30:03	49.8	59	49
232	21:45:03	49.3	56.2	49
233	22:00:03	49.7	60.4	48
234	22:15:03	48.3	56.2	47
235	22:30:03	48.3	56.2	47
236	22:45:03	48.6	61.2	47
237	23:00:03	49.7	64.4	47
238	23:15:03	48.8	59.8	47
239	23:30:03	49.5	62.6	47
240	23:45:03	49.3	61	48
241	0:00:03	49.2	63.2	47
242	0:15:03	49.7	66.2	47
243	0:30:03	47.6	56.2	47
244	0:45:03	50.8	64.8	48
245	1:00:03	50.1	64.6	48
246	1:15:03	48.6	58	47
247	1:30:03	48.6	59.4	48
248	1:45:03	49.3	59.6	48
249	2:00:03	50	64	48
250	2:15:03	48.8	52.6	48
251	2:30:03	49.6	56.8	49
252	2:45:03	49.4	58	48
253	3:00:03	47.7	50.2	47
254	3:15:03	48.5	58.4	47
255	3:30:03	48.1	58.2	47
256	3:45:03	47.6	59.2	47
257	4:00:03	46.9	49.4	46
258	4:15:03	47.3	56.8	46
259	4:30:03	48.4	63.2	46
260	4:45:03	48	67.8	46
261	5:00:03	46.8	49.4	46
262	5:15:03	47.1	49.4	47
263	5:30:03	47.8	55.8	47

264	5:45:03	48.5	59.6	48
265	6:00:03	48	53.3	48
266	6:15:03	49.2	56.8	48
267	6:30:03	50.7	62.5	48
268	6:45:03	49	57.8	48
269	7:00:03	50.1	59.2	49
270	7:15:03	50.2	56.3	49
271	7:30:03	50.9	56.5	50
272	7:45:03	50.9	59	49
273	8:00:03	50.3	62.2	49
274	8:15:03	51.5	60.4	50
275	8:30:03	51.1	63.8	49
276	8:45:03	51.1	60.2	50
277	9:00:03	50.7	63.6	49
278	9:15:03	52.1	62.8	50
279	9:30:03	50.1	61.4	49
280	9:45:03	52.3	61.2	50
281	10:00:03	50.3	63	49
282	10:15:03	51.2	61	50
283	10:30:03	51.1	61.8	49
284	10:45:03	50.5	62.2	49
285	11:00:03	50.7	60.4	49
286	11:15:03	50.6	58.6	49
287	11:30:03	50.6	62.7	49
288	11:45:03	50.2	57	49

File Name.....bin3  
Test Location.....Ref 3 NRG El Segundo  
Employee Name.....Rachel Pirie  
Employee Number...30520  
Department.....Noise and Vibration  
Comment Field 1...WCC-2 Serial # 2881  
Comment Field 2...Unit 4 run up  
Numeric Code #1... #2... #3... #4... #5...

METROSONICS db-308 SN 2881 V2.3  
REPORT PRINTED 08/21/01 AT 13:15:19

EXCHANGE RATE..... 3dB FILTER.....A WGHT  
DOSE CRITERION.... 90dB RESPONSE...SLOW  
PRE-TEST CALIBRATION TIME.... 8/15/01 AT 14:16:37  
PRE-TEST CALIBRATION RANGE... 43.2dB TO 139.2dB  
Calibrator Type & Serial #.....

Calibrator Calibration Date.....

-- OVERALL STATISTICS REPORT --

TEST BEGAN.... 8/16/01 AT 12:00:19  
TEST LENGTH... 4 DAYS 0:00:00

Lav..... 58.6dB  
SEL.....113.8dB  
Lmax..... 90.6dB ON 8/20/01 AT 10:37:06  
Lpk.....UNDER  
TIME OVER 115dB.. 0 DAYS 0:00:00.00

8 HR DOSE (42dB CUTOFF)..... 0.85%  
8 HR DOSE (42dB CUTOFF)..... 0.85%

-- TABULAR TIME HISTORY REPORT --

# OF PERIODS: 384 MODE: CONTINUOUS  
PERIOD LENGTH: 0:15:00  
TIME HISTORY CUTOFF: NONE  
Ln(1): 50.0% Ln(2): 90.0%

DATE: 8/16/01

INT	TIME	Lav	Lmx	L1	L2
1	12:00:19	59.2	67	58	56
2	12:15:19	58.6	68.7	57	56
3	12:30:19	58.4	65.5	57	56
4	12:45:19	58.9	67.7	57	55
5	13:00:19	58.4	68.7	57	55
6	13:15:19	63.2	88.8	57	56



7	13:30:19	58.9	69.8	58	56
8	13:45:19	58.9	65.2	58	56
9	14:00:19	60	74.1	58	57
10	14:15:19	58.7	65.7	58	56
11	14:30:19	59.6	68	58	56
12	14:45:19	59.9	69.3	58	57
13	15:00:19	61.2	73	59	56
14	15:15:19	60.4	71.6	59	57
15	15:30:19	61	72.2	59	58
16	15:45:19	60.8	69.7	59	58
17	16:00:19	60.9	73.4	59	58
18	16:15:19	60.1	71.3	59	57
19	16:30:19	62.3	76.2	59	57
20	16:45:19	60.6	73.3	58	57
21	17:00:19	62.6	83	59	57
22	17:15:19	59.9	70.1	59	57
23	17:30:19	59.6	65.3	59	57
24	17:45:19	59.2	68.1	58	56
25	18:00:19	59.5	68.1	58	57
26	18:15:19	59.7	67.7	59	57
27	18:30:19	58.9	71.3	58	56
28	18:45:19	58.6	67.4	57	56
29	19:00:19	59.1	69	58	56
30	19:15:19	58.7	69.6	57	55
31	19:30:19	58.8	71	57	55
32	19:45:19	57.8	67.9	57	55
33	20:00:19	58.5	69.6	57	55
34	20:15:19	58.1	68	57	54
35	20:30:19	58.4	72.5	57	55
36	20:45:19	58.6	69.2	57	56
37	21:00:19	59.6	68.2	58	56
38	21:15:19	57.4	68.6	57	55
39	21:30:19	58.4	69.8	57	56
40	21:45:19	58.6	68	57	56
41	22:00:19	58.6	64.3	58	56
42	22:15:19	58.8	71.5	58	56
43	22:30:19	58.3	63.4	58	56
44	22:45:19	59.2	67.7	58	56
45	23:00:19	60.1	70.9	58	56
46	23:15:19	59.3	65.4	58	57
47	23:30:19	58.5	75.9	56	55
48	23:45:19	59.3	70.6	57	56
49	0:00:19	59.3	72.1	57	55
50	0:15:19	58.8	71.1	56	55
51	0:30:19	58.2	70.9	56	55
52	0:45:19	59.3	69.5	56	54
53	1:00:19	58.3	69.8	56	54
54	1:15:19	56.3	66.5	55	54
55	1:30:19	57.4	69.1	55	54
56	1:45:19	57.6	73.3	54	53
57	2:00:19	56.6	70.2	54	53
58	2:15:19	55.2	62.7	54	53

59	2:30:19	56.1	70	54	53
60	2:45:19	55	61	54	53
61	3:00:19	56.7	70.8	55	54
62	3:15:19	57.1	60	57	55
63	3:30:19	58.3	62.7	58	56
64	3:45:19	58.8	62.8	58	57
65	4:00:19	58.4	64	58	56
66	4:15:19	59.5	63.4	59	58
67	4:30:19	57.6	63	57	56
68	4:45:19	57	59	56	56
69	5:00:19	59	64.1	58	57
70	5:15:19	59.3	66	59	57
71	5:30:19	59.7	69.2	59	58
72	5:45:19	60.4	67.5	59	58
73	6:00:19	59.7	64.9	59	58
74	6:15:19	59.8	70	59	57
75	6:30:19	58.8	69.2	58	56
76	6:45:19	59.6	71.1	58	56
77	7:00:19	59.8	68.2	58	56
78	7:15:19	59.2	69.3	58	56
79	7:30:19	60.1	70.9	58	56
80	7:45:19	59	65	58	56
81	8:00:19	60.5	70.2	59	57
82	8:15:19	60.1	69	59	57
83	8:30:19	60.3	71.3	59	57
84	8:45:19	58.8	65.8	58	55
85	9:00:19	59.9	78.7	58	56
86	9:15:19	60.3	77.1	58	56
87	9:30:19	61.3	75.8	59	57
88	9:45:19	60.7	71.3	59	57
89	10:00:19	58.8	66	57	56
90	10:15:19	59.7	70.2	58	56
91	10:30:19	59.4	66.3	58	56
92	10:45:19	59.5	69.6	58	56
93	11:00:19	60.1	67.2	59	57
94	11:15:19	60.4	73.1	59	57
95	11:30:19	60.7	72	59	57
96	11:45:19	60.2	67.3	59	57
97	12:00:19	61.1	74.5	59	57
98	12:15:19	60.5	70.7	59	57
99	12:30:19	59.6	67.6	58	56
100	12:45:19	60.7	73.1	59	57
101	13:00:19	60.4	75.6	59	57
102	13:15:19	59.4	66.2	58	57
103	13:30:19	59.6	69.8	58	57
104	13:45:19	60.3	78.3	58	56
105	14:00:19	59.9	71	58	57
106	14:15:19	59.3	73.7	58	56
107	14:30:19	59.5	66.1	59	57
108	14:45:19	59.5	68.8	58	57
109	15:00:19	60.7	76.5	59	57
110	15:15:19	61	76.9	59	57

111	15:30:19	60.9	72	59	57
112	15:45:19	59.9	72.2	59	57
113	16:00:19	59.7	69.3	58	56
114	16:15:19	59.5	69.5	58	56
115	16:30:19	59.7	67.7	58	56
116	16:45:19	58.9	69.5	57	56
117	17:00:19	60.6	72.7	58	56
118	17:15:19	59.4	77	57	55
119	17:30:19	60	70.2	59	55
120	17:45:19	60	74.7	58	55
121	18:00:19	58.6	67.3	57	55
122	18:15:19	59.3	72.3	58	56
123	18:30:19	57.8	64	57	54
124	18:45:19	59.5	78.6	57	55
125	19:00:19	58.7	69.3	57	55
126	19:15:19	59.3	70.1	58	56
127	19:30:19	58.3	70.3	56	54
128	19:45:19	58.3	66.3	57	55
129	20:00:19	59	69	58	55
130	20:15:19	57.5	66.2	56	55
131	20:30:19	57.1	71.2	56	54
132	20:45:19	57.6	73.7	56	54
133	21:00:19	56.9	63.1	56	54
134	21:15:19	58.8	67	58	55
135	21:30:19	58.3	66.3	57	55
136	21:45:19	58.7	77.4	56	54
137	22:00:19	56.5	66.1	55	53
138	22:15:19	60.6	79.9	56	54
139	22:30:19	57.7	69.9	56	53
140	22:45:19	57.6	66.2	56	54
141	23:00:19	57.4	66	56	53
142	23:15:19	57.9	67.4	56	54
143	23:30:19	56.4	63.3	55	53
144	23:45:19	56.6	65.6	55	53
145	0:00:19	57.5	68.8	56	54
146	0:15:19	56.4	69.1	55	53
147	0:30:19	57.1	65.5	56	54
148	0:45:19	56.3	63.1	55	54
149	1:00:19	58.2	67.3	56	54
150	1:15:19	58.3	69.5	56	54
151	1:30:19	56.5	69.6	54	53
152	1:45:19	57.4	67.6	56	54
153	2:00:19	56.3	64.6	55	53
154	2:15:19	55.5	63.8	54	53
155	2:30:19	56.2	67.4	54	53
156	2:45:19	55.4	65.4	54	53
157	3:00:19	54	60	53	52
158	3:15:19	54.8	65.2	54	52
159	3:30:19	54.1	62.1	53	52
160	3:45:19	53.4	56.3	53	52
161	4:00:19	53.7	61.7	53	52
162	4:15:19	53.7	57.2	53	52

163	4:30:19	54.4	58.7	54	53
164	4:45:19	54.8	60.4	54	53
165	5:00:19	54.5	59.4	54	53
166	5:15:19	55.3	65	55	53
167	5:30:19	55.1	67	54	53
168	5:45:19	56.1	64.5	55	54
169	6:00:19	56.7	68.8	56	54
170	6:15:19	57.6	69.1	56	54
171	6:30:19	57.6	63.5	56	55
172	6:45:19	58.4	66.3	57	55
173	7:00:19	58	70.5	56	54
174	7:15:19	57	63	56	54
175	7:30:19	57.3	65.1	56	54
176	7:45:19	57.1	63.1	56	54
177	8:00:19	58.4	69.9	57	54
178	8:15:19	58.5	72.6	57	55
179	8:30:19	59.3	77.8	57	55
180	8:45:19	57.4	69.3	56	53
181	9:00:19	58.7	72.1	57	54
182	9:15:19	58.8	72.7	57	55
183	9:30:19	58.9	71.3	57	55
184	9:45:19	58	70.6	57	54
185	10:00:19	59.6	74.8	57	55
186	10:15:19	58.9	69.1	58	55
187	10:30:19	58.6	68.6	57	56
188	10:45:19	58.1	67.5	57	54
189	11:00:19	58.3	66.2	57	55
190	11:15:19	59.3	76	57	55
191	11:30:19	61.1	80.8	58	56
192	11:45:19	59.6	72	57	55
193	12:00:19	59.2	74.1	57	55
194	12:15:19	59.2	70	57	55
195	12:30:19	58.8	69.1	57	55
196	12:45:19	59.2	73.1	58	55
197	13:00:19	60.4	78.7	58	56
198	13:15:19	65.6	85.8	58	56
199	13:30:19	60.4	76.3	58	56
200	13:45:19	60.5	73.2	58	56
201	14:00:19	59.8	71.1	58	56
202	14:15:19	60.1	71.6	58	56
203	14:30:19	59.9	71.3	58	56
204	14:45:19	59.2	73.1	58	56
205	15:00:19	60.2	70.6	59	57
206	15:15:19	60.3	75	59	57
207	15:30:19	59.3	75.6	58	56
208	15:45:19	60.8	80.9	57	56
209	16:00:19	59.2	67	58	56
210	16:15:19	60.2	73.1	58	56
211	16:30:19	59	67.4	58	56
212	16:45:19	62.3	82.5	57	56
213	17:00:19	58.8	71.7	57	55
214	17:15:19	58.1	75.6	57	55

215	17:30:19	58	73	57	55
216	17:45:19	57.7	65.8	57	55
217	18:00:19	57.6	73.9	56	54
218	18:15:19	56.9	68.8	56	54
219	18:30:19	59.4	76.9	56	54
220	18:45:19	56.7	71.1	55	53
221	19:00:19	56.4	70.5	55	53
222	19:15:19	56.2	67	55	53
223	19:30:19	55.8	72.4	54	52
224	19:45:19	56.9	70.2	54	52
225	20:00:19	56.4	73.7	54	52
226	20:15:19	56.9	72.2	55	53
227	20:30:19	56.6	69.7	54	53
228	20:45:19	58.1	77.4	54	52
229	21:00:19	57	80.9	54	52
230	21:15:19	54.1	63	53	51
231	21:30:19	55.1	64.3	54	52
232	21:45:19	54.8	65.2	54	51
233	22:00:19	55	63.8	54	52
234	22:15:19	54.5	65.2	53	52
235	22:30:19	55.6	70.3	54	51
236	22:45:19	54.3	68.1	53	51
237	23:00:19	54.4	62.9	53	51
238	23:15:19	54.5	67.1	53	51
239	23:30:19	55	66	53	51
240	23:45:19	54.7	68.2	53	51
241	0:00:19	55.2	66.2	54	52
242	0:15:19	55	67.7	53	51
243	0:30:19	53.7	63.4	53	51
244	0:45:19	56.4	67.9	54	52
245	1:00:19	56.4	69.2	54	53
246	1:15:19	54.7	64.6	54	52
247	1:30:19	55.3	67.2	54	53
248	1:45:19	55.4	61.7	54	52
249	2:00:19	55.6	66.9	54	53
250	2:15:19	55.5	64.7	55	54
251	2:30:19	54.9	60.7	54	53
252	2:45:19	54.7	59.5	54	53
253	3:00:19	53.8	60.3	53	52
254	3:15:19	58.6	74.6	53	52
255	3:30:19	54.4	62.2	54	53
256	3:45:19	54	62.8	53	52
257	4:00:19	53.4	56.1	53	52
258	4:15:19	53.9	63	53	52
259	4:30:19	64.5	88.9	53	52
260	4:45:19	53.5	60.3	53	52
261	5:00:19	53.4	57.3	53	52
262	5:15:19	53.7	57.3	53	52
263	5:30:19	54.9	61.7	54	53
264	5:45:19	56.1	65.3	54	53
265	6:00:19	55.6	60.9	55	54
266	6:15:19	56.6	63.8	56	54

267	6:30:19	56.7	67.1	56	54
268	6:45:19	57.2	69.8	56	54
269	7:00:19	57	63.4	56	54
270	7:15:19	57	62.7	56	54
271	7:30:19	57.5	65.4	56	54
272	7:45:19	58.1	65.6	57	54
273	8:00:19	57.5	70.8	56	53
274	8:15:19	57.9	69.1	56	54
275	8:30:19	58	70.3	56	54
276	8:45:19	58	67.3	56	53
277	9:00:19	58.2	70.6	56	53
278	9:15:19	60	78	57	53
279	9:30:19	57.1	69.3	55	53
280	9:45:19	58.7	69.2	57	53
281	10:00:19	56.5	64.1	55	52
282	10:15:19	57.2	66.6	55	52
283	10:30:19	57.5	66.3	56	53
284	10:45:19	58.3	70.8	56	53
285	11:00:19	58.3	70.6	57	53
286	11:15:19	58.9	69.1	57	54
287	11:30:19	58.8	71.8	57	54
288	11:45:19	58.5	72.5	56	54
289	12:00:19	59.6	71.7	57	54
290	12:15:19	60.2	72.8	58	55
291	12:30:19	58.2	67.9	57	55
292	12:45:19	61.4	78.2	58	56
293	13:00:19	63.1	86.1	58	56
294	13:15:19	59.7	70.2	58	55
295	13:30:19	60	72.7	58	57
296	13:45:19	59.4	73.5	58	56
297	14:00:19	60.1	70.2	58	56
298	14:15:19	58.8	71.6	57	55
299	14:30:19	62.5	83	58	56
300	14:45:19	59.4	67.8	58	56
301	15:00:19	65.3	88.3	58	56
302	15:15:19	59.2	72.9	57	56
303	15:30:19	60.8	74.7	58	56
304	15:45:19	60	73.1	59	56
305	16:00:19	59.6	69.6	58	56
306	16:15:19	59.2	69.9	58	55
307	16:30:19	63.6	82.7	58	56
308	16:45:19	61.9	74.5	59	57
309	17:00:19	58.9	71.1	58	56
310	17:15:19	59.5	71.9	58	56
311	17:30:19	59.8	82	58	56
312	17:45:19	59.3	71.1	58	56
313	18:00:19	58.4	67.7	57	56
314	18:15:19	58.3	65.1	57	55
315	18:30:19	57.7	64.8	57	54
316	18:45:19	57.3	68	56	54
317	19:00:19	58.9	70.1	57	55
318	19:15:19	57.9	66.5	57	55

319	19:30:19	58.2	67.4	57	54
320	19:45:19	56.6	64.2	56	53
321	20:00:19	56	69.2	55	53
322	20:15:19	55.8	61.2	55	53
323	20:30:19	54.9	65.6	54	52
324	20:45:19	55.8	67.9	54	51
325	21:00:19	56	68	54	53
326	21:15:19	54.4	63.4	53	51
327	21:30:19	58	76.5	53	51
328	21:45:19	53.6	63.7	52	50
329	22:00:19	52.8	59.2	52	50
330	22:15:19	53.4	59.4	52	50
331	22:30:19	53.4	61.5	52	50
332	22:45:19	52.9	61.4	52	50
333	23:00:19	52.8	58.8	52	49
334	23:15:19	52.4	59.1	52	50
335	23:30:19	53.4	59.9	52	50
336	23:45:19	52.7	59	52	50
337	0:00:19	53.5	66	51	49
338	0:15:19	52.5	60	51	49
339	0:30:19	52	56.1	51	50
340	0:45:19	52.6	60.4	52	50
341	1:00:19	51.8	58.9	51	49
342	1:15:19	52.4	60.3	51	50
343	1:30:19	53	56.1	52	51
344	1:45:19	54.7	66.5	53	51
345	2:00:19	53.3	60.9	53	51
346	2:15:19	53.4	58.9	53	51
347	2:30:19	53.5	57.3	53	52
348	2:45:19	53.5	57	53	52
349	3:00:19	53.4	59.3	53	52
350	3:15:19	53.4	57.3	53	52
351	3:30:19	53.5	61.9	53	52
352	3:45:19	53.3	59	53	52
353	4:00:19	53	60.5	52	51
354	4:15:19	53.1	59.6	52	51
355	4:30:19	53.7	67.5	53	51
356	4:45:19	53.3	64.9	52	51
357	5:00:19	53.7	58.2	53	52
358	5:15:19	54.2	57.3	54	53
359	5:30:19	55.6	64.5	55	53
360	5:45:19	55.2	63.6	54	53
361	6:00:19	55.8	62.1	55	53
362	6:15:19	57.2	66.3	56	54
363	6:30:19	57.6	70.2	56	55
364	6:45:19	61.4	80.6	57	55
365	7:00:19	59.1	69.6	57	55
366	7:15:19	58.4	78	57	55
367	7:30:19	58.6	70.5	57	55
368	7:45:19	58.6	69.9	57	55
369	8:00:19	59.3	67.3	58	56
370	8:15:19	59	69.9	58	55

371	8:30:19	58.7	70.6	57	55
372	8:45:19	60.6	78.5	58	55
373	9:00:19	59.7	72.5	58	55
374	9:15:19	60.3	81.6	57	55
375	9:30:19	60.8	81	57	55
376	9:45:19	58.5	69.1	57	54
377	10:00:19	57.3	66.3	56	53
378	10:15:19	58.4	67.4	56	54
379	10:30:19	69.8	90.6	56	53
380	10:45:19	58	71.3	56	53
381	11:00:19	57.2	67.2	56	53
382	11:15:19	58.2	73	56	53
383	11:30:19	58.4	70.6	56	54
384	11:45:19	57.9	63.9	57	54